

TISSUE CUTTING DEVICES AND METHODS

ABSTRACT OF THE DISCLOSURE

Minimally invasive devices and methods for cutting a volume of soft tissue such as a biopsy or a therapeutic excision of cancer are disclosed. The device generally
5 includes a probe, a cutting loop with sufficient elasticity, shape memory or superelastic property such that the loop returns to a cutting configuration when released from a storage configuration, and a loop holder to hold and rotate the cutting loop about a loop holder axis when the cutting loop is in the cutting configuration so as to adjust a loop angle between the probe axis and the cutting loop. The method generally includes
10 positioning the tissue cutting device adjacent the volume of tissue, releasing the cutting loop from the storage configuration to the cutting configuration, rotating the cutting loop to adjust the loop angle, and moving the tissue cutting device to cut the volume of tissue.